

Experiment Number: 05032-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: D-Carvone
CAS Number: 2244-16-8

Date Report Requested: 10/22/2014
Time Report Requested: 02:50:02
First Dose M/F: NA / NA
Lab: IRDC

C Number:	C55867A
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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F 344/N Rat MALE	VEHICLE CONTROL	187MG/KG	375MG/KG
Disposition Summary			
Animals Initially In Study	50	50	50
Early Deaths			
Dead	9	20	11
Moribund	9	19	39
Survivors			
Terminal Sacrifice	32	11	
Animals Examined Microscopically			
<hr/>			
ALIMENTARY SYSTEM			
None			
<hr/>			
CARDIOVASCULAR SYSTEM			
None			
<hr/>			
ENDOCRINE SYSTEM			
None			
<hr/>			
GENERAL BODY SYSTEM			
None			
<hr/>			
GENITAL SYSTEM			
None			
<hr/>			
HEMATOPOIETIC SYSTEM			
None			
<hr/>			
INTEGUMENTARY SYSTEM			
None			
<hr/>			
MUSCULOSKELETAL SYSTEM			
None			
<hr/>			
NERVOUS SYSTEM			
None			

a - Number of animals examined microscopically at site and number of animals with lesion

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<hr/>			
RESPIRATORY SYSTEM			
None			
<hr/>			
SPECIAL SENSES SYSTEM			
None			
<hr/>			
URINARY SYSTEM			
None			
<hr/>			

END OF MALE DATA

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F 344/N Rat FEMALE	VEHICLE CONTROL	187MG/KG	375MG/KG
Disposition Summary			
Animals Initially In Study	50	50	50
Early Deaths			
Accident	1		
Dead	1	8	7
Moribund	7	14	36
Survivors			
Terminal Sacrifice	41	28	7
Animals Examined Microscopically	14		
ALIMENTARY SYSTEM			
Esophagus	(14)	(0)	(0)
Intestine Large, Cecum	(14)	(0)	(0)
Intestine Large, Colon	(14)	(0)	(0)
Parasite Metazoan	2 (14%)		
Intestine Large, Rectum	(9)	(0)	(0)
Inflammation, Acute	1 (11%)		
Parasite Metazoan	1 (11%)		
Intestine Small, Duodenum	(14)	(0)	(0)
Intestine Small, Ileum	(14)	(0)	(0)
Intestine Small, Jejunum	(14)	(0)	(0)
Liver	(14)	(0)	(0)
Basophilic Focus, Multiple	12 (86%)		
Basophilic Focus, Single	2 (14%)		
Bile Duct, Hyperplasia, Multifocal	1 (7%)		
Fatty Change, Multifocal	1 (7%)		
Inflammation, Multifocal, Chronic	10 (71%)		
Necrosis, Focal	1 (7%)		
Pancreas	(14)	(0)	(0)
Inflammation, Chronic	5 (36%)		

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Salivary Glands	(14)	(0)	(0)
Submandibul GI, Inflammation, Subacute	1 (7%)		
Stomach, Forestomach	(14)	(0)	(0)
Acanthosis	3 (21%)		
Stomach, Glandular	(14)	(0)	(0)
CARDIOVASCULAR SYSTEM			
Blood Vessel	(10)	(0)	(0)
Heart	(14)	(0)	(0)
Cardiomyopathy	11 (79%)		
ENDOCRINE SYSTEM			
Adrenal Gland, Cortex	(14)	(0)	(0)
Hyperplasia, Focal	1 (7%)		
Hypertrophy, Focal	1 (7%)		
Vacuolization Cytoplasmic, Focal	6 (43%)		
Adrenal Gland, Medulla	(13)	(0)	(0)
Islets, Pancreatic	(14)	(0)	(0)
Hyperplasia, Focal	2 (14%)		
Parathyroid Gland	(13)	(0)	(0)
Pituitary Gland	(14)	(0)	(0)
Pars Distalis, Angiectasis	1 (7%)		
Pars Distalis, Cyst	4 (29%)		
Pars Distalis, Hyperplasia, Focal	1 (7%)		
Thyroid Gland	(14)	(0)	(0)
C Cell, Hyperplasia, Focal	1 (7%)		
C Cell, Hyperplasia, Multifocal	2 (14%)		
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			

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Clitoral Gland	(13)	(0)	(0)
Inflammation, Chronic	8 (62%)		
Inflammation, Chronic Active	1 (8%)		
Ovary	(14)	(0)	(0)
Bilateral, Infiltration Cellular, Lymphocyte, Diffuse	1 (7%)		
Uterus	(14)	(0)	(0)
Lumen, Dilatation	2 (14%)		
HEMATOPOIETIC SYSTEM			
Bone Marrow	(13)	(0)	(0)
Hyperplasia, Megakaryocyte	1 (8%)		
Hyperplasia, Reticulum Cell, Focal	2 (15%)		
Hyperplasia, Reticulum Cell, Multifocal	4 (31%)		
Lymph Node	(1)	(0)	(0)
Lymph Node, Mesenteric	(13)	(0)	(0)
Depletion Lymphoid	1 (8%)		
Edema	5 (38%)		
Hemorrhage	1 (8%)		
Spleen	(14)	(0)	(0)
Hematopoietic Cell Proliferation	11 (79%)		
Thymus	(12)	(0)	(0)
INTEGUMENTARY SYSTEM			
Mammary Gland	(14)	(0)	(0)
Acinus, Hyperplasia	2 (14%)		
Galactocele	10 (71%)		
Skin	(14)	(0)	(0)
Tail, Inflammation, Chronic	1 (7%)		
MUSCULOSKELETAL SYSTEM			
Bone	(13)	(0)	(0)

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Femur, Osteopetrosis	2 (15%)		
NERVOUS SYSTEM			
Brain	(14)	(0)	(0)
Compression, Focal	1 (7%)		
Peripheral Nerve	(13)	(0)	(0)
RESPIRATORY SYSTEM			
Lung	(14)	(0)	(0)
Hemorrhage, Multifocal	1 (7%)		
Interstitial, Inflammation, Multifocal, Subacute	4 (29%)		
Interstitial, Inflammation, Subacute, Focal	2 (14%)		
Nose	(14)	(0)	(0)
Hypertrophy	2 (14%)		
Nasolacrim Dct, Inflammation, Chronic	1 (7%)		
Nasolacrim Dct, Inflammation, Subacute	2 (14%)		
Turbinate, Inflammation, Chronic	6 (43%)		
Turbinate, Inflammation, Chronic Active	1 (7%)		
Turbinate, Inflammation, Subacute	2 (14%)		
Trachea	(14)	(0)	(0)
Inflammation, Acute	1 (7%)		
Inflammation, Subacute	4 (29%)		
SPECIAL SENSES SYSTEM			
Eye	(2)	(0)	(0)
Antr Chamber, Left, Hemorrhage	1 (50%)		
Left, Cataract	1 (50%)		
Left, Retina, Degeneration	1 (50%)		
Zymbal's Gland	(1)	(0)	(0)
URINARY SYSTEM			
Kidney	(14)	(0)	(0)

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F 344/N Rat FEMALE	VEHICLE CONTROL	187MG/KG	375MG/KG
Bilateral, Nephropathy, Chronic	14 (100%)		
Epithelium, Pelvis, Hyperplasia	1 (7%)		
Papilla, Mineralization	4 (29%)		
Pelvis, Mineralization	1 (7%)		
Urinary Bladder	(13)	(0)	(0)

**** END OF REPORT ****

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